THE UNIVERSITY OF CHICAGO CHICAGO 37 · ILLINOIS INSTITUTE OF RADIOBIOLOGY AND BIOPHYSICS

Dear Josh,

Replated P20 and P20 a on B. Neither

look like r+ in that they both have sharply

defined edges, whereas r+ gives fuggy edges. This

probably means no lysis inhibition. All test

both this afternoon for inhibition and will send a

postcand describing the results.

The only difference of could see between P20 and

P20 a is) P20 a may be a somewhat larger plague former.

2) P20 a has a more pronounced opaque ring.



P20 a

P20

I have never heard of a satisfactory explanation for the opaque ning. Delbruck says that other you public the obtaines occurring in such a ning, they lyse on transfer to fresh medium.

Have you tried plating P20, P20a on B/6?

They certainly are nice looking phages. It is interesting to see a wild type of the even numbered stries I which P20 must be, that doesn't exhibit lyses whilether

" We did not mean to slight you by calling Esther last week, but we assumed you were in Detroit. Whe have been studying the light reactivation, particularly the effect of the light on the incidence of mutanta. We find the incidence of mutants in the reactivated buys to be 5 times last than in the dark survivors. Since these nutants are "phenemically "(phenomenologically) delayed, we can best observe them with birchemical metants en limitedly enriched plates. And since rue are lezy, we would like to get from you a series of anino acid deficient K-12 strains. We have already from you methionine threonine and leveine We are approus to start and would appreciate early delivery. Vitamin mulanto, we fear, They may give trouble since! they need so little. I have been having the following trouble. We inadiate in Saline — finding the bugs more resistant, and more reproducibly so there. However when I wash the W-1 or the 58-161 strains resurfierd in saline, and insubate one if \$1 (t 0 the look) and incubate overnight (to place them deeply in lay), of find only a small fraction alive du one experiment the W-1 dropped to 1 to and the 52-161 to < 300. La this unusual? - might I prevent it by supplementing with BI or birtin since we don't use these markers anyway? The Bloomington meetings were quite nice Sulbecco's story is quite complete I'll tell you about if when we come to Madison. Doermann on Hersbey had some interesting stuffalson. A spoke to Siland about Kellner and he means to speak to Hogness when he's back Our space problem is serious also. Since he does Readiobiology maybe we could get the bacteriology dept Resonds to Sate ... to But Rocards from Jane Garan